[illegible]

[illegible][illegible][illegible][illegible][illegible][illegible]
[illegible]

[illegible]

[illegible][1][illegible]

[illegible]

[illegible]

[illegible]

[illegible] 10 [illegible] 12 [illegible] 13 [illegible]

[illegible]

[illegible] 1999 [illegible]

[illegible] 4 [illegible] 16 [illegible] 1.1 [illegible] 1.6 [illegible] 0.68 [illegible] 2.16

[illegible]

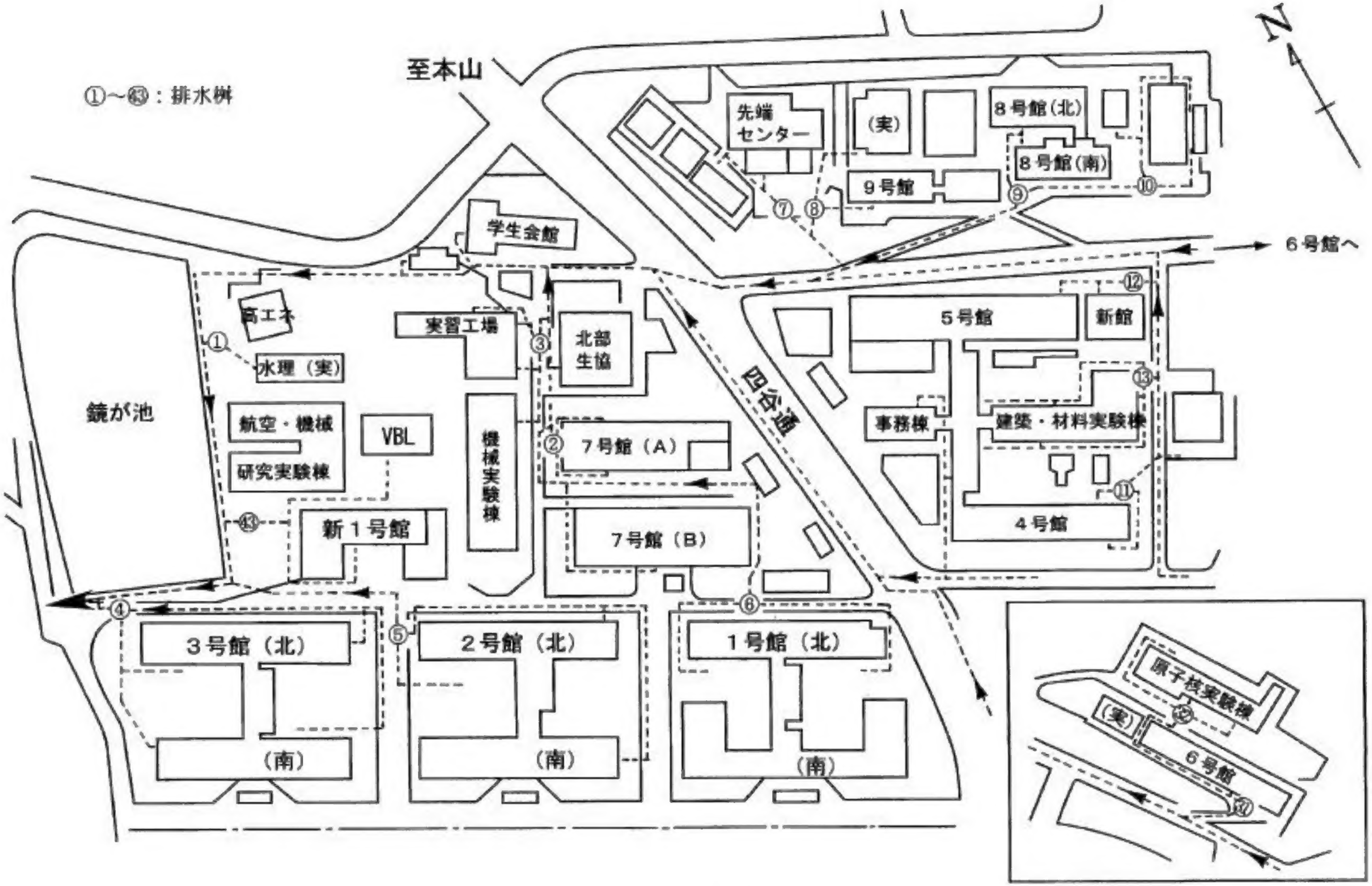
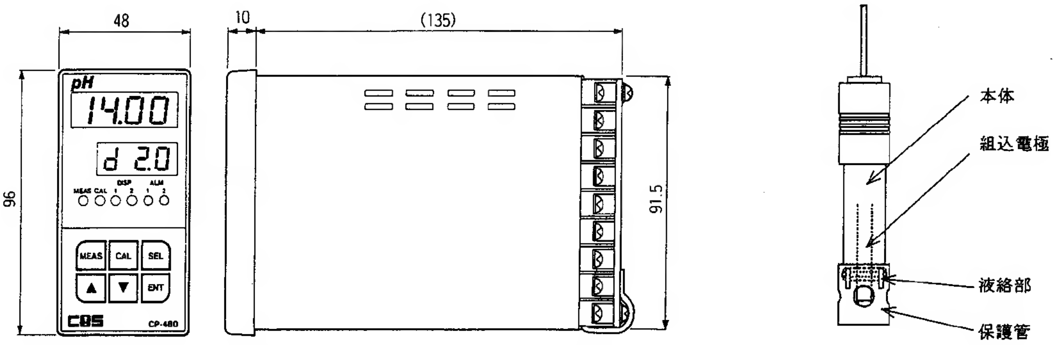


図１　工学部の実験系排水系図

[illegible][2][illegible]

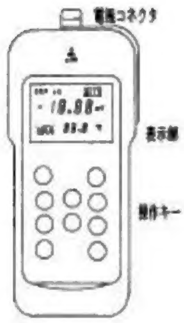
[illegible] CP-480 [illegible] 8300 [illegible]



[illegible]

[illegible] 6.8kΩ [illegible] ±0.05pH [illegible][3][4][illegible] 43 [illegible] HDM-136 [illegible] ±0.03pH [illegible]

[illegible][5][illegible] POT-101M [illegible] ±0.1pH [illegible]



[illegible]

[illegible]

[illegible]−[illegible]

[illegible] 17 [illegible]

[illegible]

[illegible]−[illegible][4]〜[7]

[illegible]

[illegible]

[illegible]

(1) [illegible]

(2) [illegible]

[illegible] 0.1 [illegible] 10 [illegible] 20 [illegible]

(3) [illegible]

[illegible] pH [illegible] pH [illegible] pH [illegible]

[illegible] 10 [illegible]

[illegible]

[illegible]

(1) [illegible] **pH** [illegible] **pH** [illegible]

(2) [illegible]

(3) [illegible]

(4) [illegible] **10**[illegible]**11**[illegible]**32**[illegible]**42** [illegible]

(1) [illegible]

(2) [illegible]

(3) [illegible] 400 [illegible] 11 [illegible]

[illegible]

[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10	11	12	13	31	32	43
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	—	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]		[illegible]	[illegible]cm	[illegible]cm	[illegible]	[illegible]cm	—	15cm	20cm	[illegible]cm	[illegible]cm	10cm	[illegible]cm	25cm	[illegible]cm	[illegible]	18cm
[illegible]pH[illegible]		6.96	7.10	7.06	7.18	7.49	—	6.81	6.47	7.43	6.86	7.41	6.98	7.10	7.21	7.43	8.07
[illegible]pH[illegible]	[illegible]	7.23	7.21	7.27	7.08	6.88	—	6.99	6.87	7.86	7.92	7.92	7.03	7.25	7.35	8.38	6.66
	[illegible] pH[illegible]	7.08	7.22	7.17	7.08	6.73	6.63	6.63	6.59	7.59	7.82	7.02	7.04	7.30	7.40	8.69	7.18
	[illegible]	0.15	0.01	0.10	0.00	0.15	—	0.36	0.28	0.27	0.10	0.90	0.01	0.05	0.05	0.31	0.52

[illegible] 12[illegible] 25[illegible] 12[illegible] 19[illegible]
[illegible] cm[illegible]

[illegible] 43 [illegible]
0.1 [illegible] 0.3 [illegible] 0.5 [illegible]

[illegible] 11 [illegible]

[illegible] 18 [illegible] 23 [illegible]

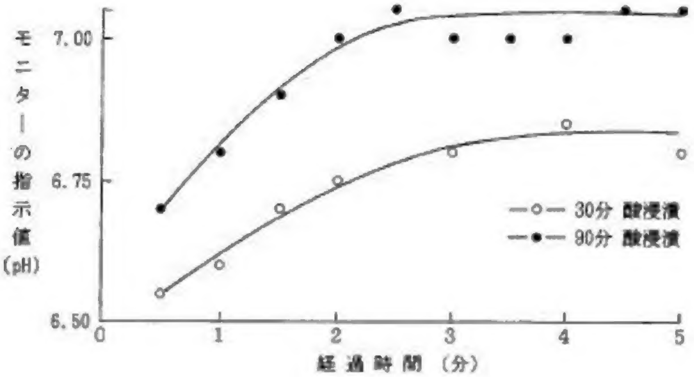
(4) [illegible] pH0.2 [illegible] 60 [illegible]

[illegible] 11 [illegible] 10 [illegible] 20 [illegible] 30 [illegible] 60 [illegible]

[illegible] 12 [illegible] 30 [illegible] 90 [illegible]

[illegible]

[illegible] 30 [illegible] 90 [illegible] 2.5 [illegible] 30 [illegible] pH 0.15 [illegible] 90 [illegible] pH0.00 [illegible]



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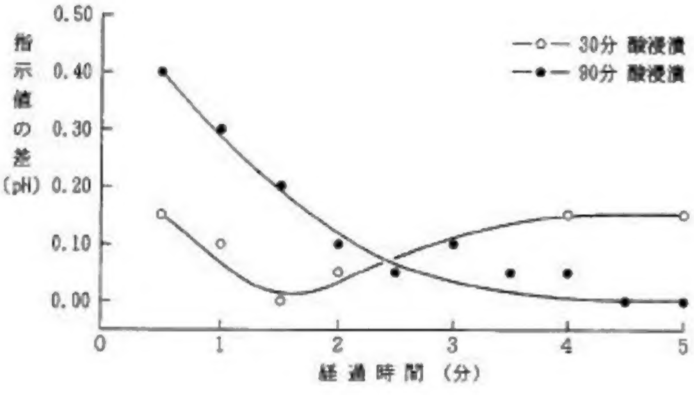

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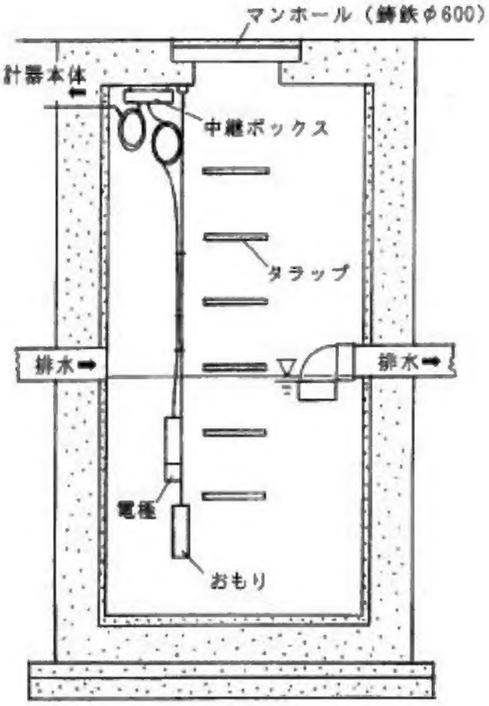
[illegible]

[illegible]

(10/30, 11/20) 10 11/21 25

11



[8]

(1)

(2)

(3)

(1)

(2)

[illegible]

(3) [illegible]
[illegible]

[illegible] pH [illegible] pH [illegible]
[illegible] TMWR04-PF6.3 [illegible] 150cm [illegible]

[illegible] pH [illegible] pH0.40 [illegible] pH [illegible]
pH0.01 [illegible] pH [illegible] 0.01 [illegible] pH [illegible] 0.00 [illegible]

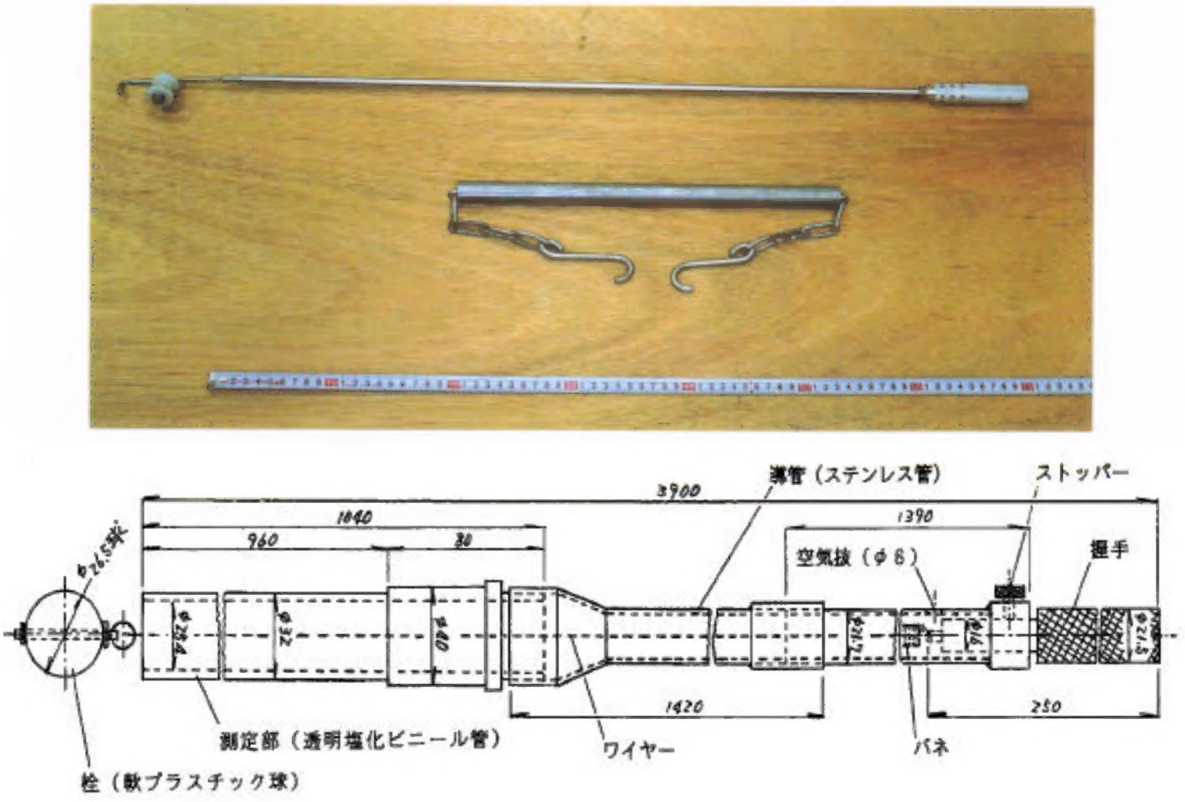
[illegible] 11 [illegible] pH0.29 [illegible]
[illegible] 0.12 [illegible]

43 [illegible] 11 [illegible]
[illegible] pH0.00 [illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

[illegible] DC [illegible] 20mA [illegible]

[illegible]

(1) [illegible]

(2) [illegible]

(1) [illegible]

(2) [illegible]

[illegible]

[illegible] 61 [illegible] 56 [illegible] 17 [illegible]

[illegible] 12 [illegible] 21 [illegible] 19 [illegible] 471 [illegible] 94. 2 [illegible] / [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] 12 [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[1] [illegible] 11 [illegible]

[2] [illegible] 11 [illegible]

[3] [illegible] 48 [illegible] -480 [illegible] 12 [illegible]

[4] [illegible]

[5] [illegible] pH/ORP [illegible] 1997 [illegible]

[6] [illegible] 12 [illegible]

[7] [illegible] 12 [illegible]

[8] [illegible] 12 [illegible] 10 [illegible] 25 [illegible]